



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 5, 2020

Lael Jimenez
Stepan Company
22 Frontage Road
Northfield, IL 60093

Subject: Label Amendment: Emerging Viral Pathogens Claim
Product Name: BTC® 885 Neutral Disinfectant Cleaner-64
EPA Registration Number: 1839-169
Application Date: 03/11/2020
Decision Number: 560854

Dear Ms. Jimenez:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Because you have opted to add statements pertaining to emerging viral pathogens to your label as described in the August 19, 2016, Guidance to Registrants: Process For Making Claims Against Emerging Viral Pathogens Not On EPA-Registered Disinfectant Labels ("Guidance"), https://www.epa.gov/sites/production/files/2016-09/documents/emerging_viral_pathogen_program_guidance_final_8_19_16_001_0.pdf, you are subject to the following additional terms of registration:

1. You may make statements pertaining to emerging viral pathogens only through the following communications outlets: technical literature distributed exclusively to health care facilities, physicians, nurses and public health officials, "1-800" consumer information services, social media sites and company websites (non-label related). These statements shall not appear on marketed (final print) product labels.
2. Your statements pertaining to emerging viral pathogens must adhere to the format approved on the Agency-accepted master label.

3. You may make statements pertaining to emerging viral pathogens only upon a disease outbreak that meets all the following criteria:
 - a. The causative organism must be a virus that causes an infectious disease that has appeared in a human or animal population in the U.S. for the first time, or that may have existed previously but is rapidly increasing in incidence or geographic range.
 - i. For human disease, the outbreak is listed in one of the following Centers for Disease Control (CDC) publications:
 - A. CDC Current Outbreak List for “U.S. Based Outbreaks” (www.cdc.gov/outbreaks),
 - B. CDC Current Outbreak List for “Outbreaks Affecting International Travelers” with an “Alert” or “Advisory” classification (www.cdc.gov/outbreaks) (also released through the CDC’s Health Alert Network (HAN) notification process)
 - C. Healthcare-Associated Infections (HAIs) Outbreaks and Patient Notifications page (www.cdc.gov/hai/outbreaks)
 - ii. For animal disease, the outbreak is identified as an infectious disease outbreak in animals within the U.S. on the World Organization for Animal Health (OIE) Weekly Disease Information page (www.oie.int/wahis_2/public/wahid.php/Diseaseinformation/WI).
 - A. The CDC or OIE has identified the taxonomy, including the viral family and/or species, of the pathogen and provides notice to the public of the identity of the emerging virus that is responsible for an infectious disease outbreak. Based on the taxonomy of the outbreak pathogen identified by the CDC or OEI, the pathogen's viral subgroup is enveloped.
 - B. The virus can be transmitted via environmental surfaces (non-vector transmission), and environmental surface disinfection has been recommended by the CDC, OIE or EPA to control the spread of the pathogen.
4. You may begin communicating statements pertaining to emerging viral pathogens only upon CDC or OIE’s publication per term 3.a. of an outbreak of an emerging viral pathogen meeting all of the criteria of term 3. You must cease and remove all such non-label communications intended for consumers no later than 24 months after the original publication of the outbreak per term 3.a., unless the Agency issue written guidance to the contrary due to continued public health concerns. The emerging pathogen claim language may remain on the master label.
5. Terms from points 1 through 4 above shall become immediately void and ineffective if registration for use against Rotavirus is suspended or cancelled or no longer meets the criteria for a disinfectant claim (see EPA Product Performance Test Guideline 810.2200).

In addition, terms B.1 through B.4 above shall become immediately void and ineffective upon your receipt of evidence of ineffectiveness against any pathogen in a less-resistant Spaulding category.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, you may contact the disinfectants list at disinfectantslist@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Fuller", with a long horizontal line extending to the right.

Demson Fuller, Product Manager 32
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure: stamped label

BTC® 885 Neutral Disinfectant Cleaner-64

FRONT PANEL

ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	1.627%
Dioctyl dimethyl ammonium chloride	0.814%
Didecyl dimethyl ammonium chloride	0.814%
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride.....	2.170%
(INERT) (OTHER) INGREDIENTS	94.575%
Total	100.000%

ACCEPTED

06/05/2020

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 1839-169

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

(OPTIONAL) You may contact xxx/xxx-xxxx for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See (side) (back)(booklet) panel(s) for additional precautionary statements((and)(or) directions for use).

FRONT, BACK OR SIDE PANEL

EPA REG. NO. 1839-169

EPA EST. NO. 1839-IL-01 (XXX-XX-XX)

STEPAN COMPANY

22 West Frontage Road

Northfield, IL 60093

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Bracketed information is denoted as: {insert as noted }, (optional text), [required qualifier].

The term "this product" used throughout this document may be replaced with the marketed product brand name.

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Appropriate metric or imperial unit may be added as optional, supplemental information.

PACKAGING CLAIMS

- Bonus (pack)(size)
- (Extra) value (pack)(size)
- (Dual)(X) pack
- Twin pack

MARKETING CLAIMS

General

- CLEANER
- DISINFECTANT
- DETERGENT
- *VIRUCIDE
- FUNGICIDE (against pathogenic fungi)
- MILDEWSTAT (on hard, non-porous, inanimate surfaces)
- DEODORIZER
- CITRUS CANCKER CONTROL (*Not for Use in California*)
- MUSHROOM FARM SANITATION (*Not for Use in California*)
- KILLS GERMS
- Effective in the presence of 5% serum contamination
- For Home, Hospital, Institutional and Industrial Use
- For Farm, School, Restaurant, Food Handling and Processing Areas, Equine, Poultry/Turkey Farm, Bar, Tavern and Institutional Kitchen Use
- Formulated for Effective Farm Premise Sanitation
- Formulated for Effective Poultry Premise Sanitation
- Formulated for Effective Swine Premise Sanitation
- Formulated for Effective Veterinary Practice/Animal Care/Animal Laboratory Disinfection
- (lemon) (mint) (pine) (fresh) (floral) (citrus) (scent) (scented)
- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu)
- (Name of dispensing system)
- Bleach Free
- Indoor/Outdoor
- (This product) for use in: {insert use site from page 5}
- This product is designed to provide effective cleaning, deodorizing, and disinfection for {insert use site or surface from page 5}
- This product is for use in institutional kitchens and bathrooms.
- This product is an economical concentrate that can be used with a mop and bucket, trigger sprayers or sponge.

DISINFECTION CLAIMS

- Kills {insert pathogen from page 6-7}
- Disinfects against {insert pathogen from page 6-7}
- This product is a phosphate-free, pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, households, homes, schools, food processing plants, food service establishments, restaurants, transportation terminals, office buildings, manufacturing facilities, lodging establishments, hotels, retail business, and athletic/recreation facilities, sports stadiums, amphitheaters and convention centers where housekeeping is of prime importance in controlling cross-contamination from treated surfaces.
- For use in (automated dilution systems) (automated) (dilution systems) (Dilution System trade name).

- This product is a one step neutral disinfectant that is effective against a broad spectrum of bacteria, is virucidal* (including HIV-1, HIV-2, HBV and HCV) and inhibits the growth of mold and mildew and their odors when used as directed.
- This product, when used as directed, is formulated to disinfect the following hard non-porous inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, vanity tops, shower stalls, bathtubs, and cabinets {insert surfaces from page 5}.
- For larger areas such as operating rooms and patient care facilities, (this product or product name) is designed to provide both general cleaning and disinfecting.
- prone to odors caused by microorganisms.
- This product is formulated to a neutral pH and will not dull high-gloss floor finishes with repeated use.
- This product cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.
- Use this product to clean and disinfect non-porous personal protective safety equipment, protective headgear, hard hats, half mask respirators, full face breathing apparatus, gas masks, goggles, spectacles, face shields, hearing protectors and ear muffs. Rinse all equipment that comes in prolonged contact with skin before reuse with clean warm water (about 120°F), and allow to air dry. (Caution: Cleaning at the 120°F temperature will avoid overheating and distortion of the personal safety equipment that would necessitate replacement.)
- This product is a neutral pH multi surface cleaner, deodorizer and disinfectant. Use on windows, mirrors, and other non-food contact glass surfaces.
- This product is an effective antimicrobial cleaner designed for use by wholesale and retail florists, shippers and greenhouses.
- When used as directed, this product will disinfect hard, non-porous surfaces such as flower buckets, floors and walls of coolers, design and packing benches and counter tops.
- Respiratory illnesses attributable to Pandemic 2009 H1N1 are caused by Influenza A virus. This product (Product Name) is a broad-spectrum hard surface disinfectant that has been shown to be effective against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- This product (Product Name) has demonstrated effectiveness against Influenza A virus and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 Influenza A virus.
- This product (Product Name) has demonstrated effectiveness against (Influenza A virus tested and listed on the label) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).
- Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu).
- Kills Pandemic 2009 H1N1 Influenza A virus.
- **EFFICACY TESTS HAVE DEMONSTRATED THAT (THIS PRODUCT OR PRODUCT NAME) IS AN EFFECTIVE BACTERICIDE AND *VIRUCIDE AGAINST THE LISTED ORGANISMS IN WATER UP TO 400 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM). (THIS PRODUCT OR PRODUCT NAME) IS AN EFFECTIVE FUNGICIDE AGAINST THE LISTED FUNGI IN WATER UP TO 200 PPM HARDNESS (AS CaCO₃) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**
or
(THIS PRODUCT OR PRODUCT NAME) IS A HOSPITAL USE BACTERICIDE AND *VIRUCIDE AT 2 OUNCES PER GALLON (16 MILLILITERS PER LITER) (OR EQUIVALENT USE DILUTION), MODIFIED IN THE PRESENCE OF 400 PPM HARD WATER AS CaCO₃.
or
(THIS PRODUCT OR PRODUCT NAME) IS A FUNGICIDE AT 2 OUNCES PER GALLON (16 MILLILITERS PER LITER) (OR EQUIVALENT USE DILUTION), MODIFIED IN THE PRESENCE OF 200 PPM HARD WATER AS CaCO₃.

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- Use to disinfect non-porous salon/barber tools and instruments: combs, brushes, razors, clippers, scissors, trimmer blades, and manicure/pedicure instruments.
- Use this product to clean, disinfect and deodorize flower buckets, walls and floors of coolers, shippers, greenhouse packing areas, garbage pails and other areas where obnoxious odors may develop.
- This product may be used as a general purpose antimicrobial detergent in florist shops, wholesale florist, shippers, greenhouse packing areas and other commercial floriculture places for efficient cleaning and antimicrobial action against certain bacteria which cause:
 1. Plugging of stems with slime, which reduces uptake of water for various flowers including roses, chrysanthemums, gladioli and tulips.
 2. Production of ethylene gas, which may injure blooms of the various sensitive flowers including carnations, snapdragons, some orchids, babies breath, sweet peas, freesia and alstroemeria.

This product is for Poultry Premise Sanitation (Hatcheries):

Egg Receiving Area	Tray Dumping Area	Chick Processing Area
Egg Holding Area	Chick Holding Area	Chick Loading Area
Setter Room	Hatchery Room	Poultry Buildings

This product is for Swine Premise Sanitation:

Farrowing Barns and Areas	Dressing Plants	Blocks
Waterers and Feeders	Loading Equipment	Creep Area
Hauling Equipment	Nursery	Chutes

MOLD & MILDEW CLAIMS

- This product-cleans and (inhibits) mold stains and mildew stains.
- This product (inhibits) (controls) the growth of mold and mildew on hard, non-porous surfaces (prior to painting).

DEODORIZING & CLEANING CLAIMS

- This product deodorizes those areas which generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, toilet bowls, and other areas which are prone to odors caused by microorganisms.
- This product is a no rinse neutral pH disinfectant cleaner that disinfects, cleans and deodorizes in one labor saving step.
- When used as directed, (this product or product name) will deodorize surfaces in toilet areas, behind and under sinks and counters, garbage cans and garbage storage areas, and other places where bacterial growth can cause malodors.
- This product is formulated to a neutral pH, yet provides effective cleaning strength that will not dull high gloss floor finishes with repeated use.
- This product is for non-scratch cleaning of showers and tubs, shower doors and curtains, fixtures and toilet bowls.
- This product may be relied on to deodorize coolers, buckets, garbage pails and other areas where obnoxious odors may develop.

CLAIM QUALIFIERS

[†](For labels that list medical premises and metal and/or stainless steel surfaces, one of the following statements must be used:)

(This product or product name) is not be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body.

or

(This product or product name) is not for use on critical and semi-critical medical device surfaces.

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SURFACES & USE SITES

Product label may list the hard, nonporous surfaces or use sites.

Hard, non-porous surfaces:

Product label may include a graphic depiction of hard, nonporous surfaces listed in the chart below.

Non-food Contact Glass	¹ Metal	¹ Stainless Steel	Glazed Porcelain
Glazed Ceramic	Sealed Fiberglass	Sealed Granite	Sealed Marble
Plastic	Chrome	Vinyl	Tables
Chairs	Desks	Bed Frames	Walls
Cabinets	Doorknobs	Garbage Cans	Picnic Tables (non-wooden)
Outdoor Furniture (except cushions and wood frames)	Telephones	Non-food Contact Counter Tops	Sinks
Refrigerator Exteriors	Coolers	Freezer Exteriors	Stovetops
Appliances	Non-food Contact Equipment	Shelves	Racks
Carts	Shower Stalls	Shower Doors and Curtains	Tubs and Glazed Tiles
Toilets	Urinals	Porcelain Tile	Restroom Fixtures
Kennels	Cages	Windows	Mirrors
Large Inflatable Non-Porous Plastic (Rubber) (Advertising) Structures: animals, promotional items	Moonwalks	Slides	Obstacle Course Play equipment
Exercise Equipment	Exercise Mats	Wrestling Mats	

Use Sites:

¹ Hospitals	¹ Nursing Homes	¹ Medical Offices	¹ Dental Offices
Clinics	¹ Operating Rooms	¹ Isolation Wards	¹ Medical Research Facilities
Restaurants	Bars	Cafeterias	Institutional kitchens
Fast Food Operations	Food Storage Areas	Supermarkets	Convenience Stores
Retail Establishments	Wholesale Establishments	Dressing Rooms	Laundries
Crime Scenes	Funeral Homes	Institutional Facilities	Laboratories
Factories	Business and Office Buildings	Restrooms	Hotels and Motels
Transportation Terminals	Institutional Kitchens	Bathrooms	Institutions
Schools and Colleges	Churches	Classrooms	Athletic Facilities
Sports Stadiums	Convention Centers	Locker Rooms	Camp Grounds
Playgrounds	Recreational Facilities	Food Processing Plants	Dairy Farms
Hog Farms	Poultry and Turkey Farms	Egg Processing Plants	Veterinary Clinics
Animal Life Science Laboratories	Kennels	Breeding and Grooming Establishments	Pet Animal Quarters
Zoos	Pet Shops	Other Animal Care Facilities	Automotive Garages
Boats	Ships	Campers	Trailers
Mobile Homes	Cars	Buses	Trains
Taxis	Airplanes	Health Clubs	Spas
Tanning Spas	Massage/Facial Salons	Hair/Nail Salons	Barber/Beauty Shops
Tattoo Parlors			

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MICROORGANISMS

This product has been tested and found to be efficacious against the following micro-organisms on hard, non-porous surfaces:

ORGANISM	ATCC No.	CONTACT TIME
Bactericidal Activity:		
Ampicillin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Bactrim resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
<i>Bordetella bronchiseptica</i>	31437	10 minutes
Cefazolin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Ceftazidime resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Ceftriaxone resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Ciprofloxacin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Community Associated Methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) (NRS 123 Genotype USA400)		10 minutes
Community Associated Methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) (NRS 384 Genotype USA300)		10 minutes
<i>Corynebacterium ammoniagenes</i>	6871	10 minutes
<i>Enterobacter aerogenes</i>	13048	10 minutes
<i>Enterobacter cloacae</i>	23355	10 minutes
<i>Enterobacter cloacae</i> (clinical isolate)		10 minutes
<i>Enterococcus faecalis</i>	19433	10 minutes
<i>Enterococcus faecalis</i> (clinical isolate)		10 minutes
<i>Escherichia coli</i>	11229	10 minutes
<i>Escherichia coli</i> (clinical isolate)		10 minutes
<i>Escherichia coli</i> O111:H8	BAA-184	10 minutes
<i>Fusobacterium necrophorum</i>	27852	10 minutes
Gentamicin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>	13883	10 minutes
<i>Lactobacillus casei</i> subsp. <i>rhamnosus</i>	7469	10 minutes
<i>Listeria monocytogenes</i>	35152	10 minutes
Levofloxacin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Methicillin resistant <i>Staphylococcus aureus</i> (MRSA)	33592	10 minutes
<i>Pasteurella multocida</i>	7707	10 minutes
<i>Proteus mirabilis</i>	9921	10 minutes
<i>Proteus mirabilis</i>	25933	10 minutes
<i>Proteus vulgaris</i>	13315	10 minutes
<i>Pseudomonas aeruginosa</i>	15442	10 minutes
<i>Pseudomonas sp.</i> (<i>Pseudomonas fluorescens</i>)	15916	10 minutes
<i>Pseudomonas tolaasii</i>	33618	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>choleraesuis</i>	10708	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>paratyphi B</i>	8759	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>pullorum</i>	9120	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>typhi</i>	6539	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>typhimurium</i>	14028	10 minutes
<i>Salmonella enterica</i> subsp. <i>enterica</i> serotype <i>enteritidis</i>	13076	10 minutes
<i>Serratia marcescens</i>	8100	10 minutes
<i>Shigella dysenteriae</i>	12180	10 minutes
<i>Shigella flexneri</i> Type 2b	12022	10 minutes
<i>Shigella sonnei</i>	25931	10 minutes
<i>Staphylococcus aureus</i>	6538	10 minutes
<i>Staphylococcus aureus</i> (clinical isolate)		10 minutes
<i>Staphylococcus aureus</i> subsp. <i>aureus</i>	33592	10 minutes
<i>Staphylococcus epidermidis</i>	29641	10 minutes
<i>Staphylococcus epidermidis</i> (clinical isolate)		10 minutes
<i>Streptococcus pyogenes</i> (Clinical - Flesh Eating Strain BIRD M3)		10 minutes
<i>Streptococcus pyogenes</i> Group A	19615	10 minutes
Tobramycin resistant <i>Acinetobacter baumannii</i> (clinical isolate – Fairfax Hospital)		10 minutes
Vancomycin intermediate resistant <i>Staphylococcus aureus</i> (VISA)		10 minutes
Vancomycin resistant <i>Enterococcus faecalis</i> (VRE)	51575	10 minutes
<i>Xanthomonas maltophilia</i> (clinical isolate)		10 minutes
Virucidal Activity:		
Avian Influenza A Virus		10 minutes
Bovine Rhinotracheitis	VR-188	10 minutes
Bovine Viral Diarrhea Virus (BVDV)		10 minutes
Canine Distemper Virus	VR-128	10 minutes
Feline Leukemia	VR-717	10 minutes

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Feline Picornavirus	VR-649	10 minutes
Hepatitis B virus (HBV)		10 minutes
Hepatitis C virus (HCV)		10 minutes
Herpes Simplex Type 1	VR-260	10 minutes
Herpes Simplex Type 2	VR-734	10 minutes
HIV-1		10 minutes
HIV-2		10 minutes
Human Coronavirus	VR-740	10 minutes
Influenza A ₂ /Hong Kong	VR-544	10 minutes
Pandemic 2009 H1N1 Influenza A Virus		10 minutes
Paramyxovirus	VR-1438	10 minutes
Porcine Respiratory & Reproductive Syndrome Virus (PRRSV)		10 minutes
Pseudorabies	VR-135	10 minutes
Rabies Virus		10 minutes
Rotavirus	VR-899	10 minutes
SARS associated Coronavirus		10 minutes
Vaccinia	VR-119	10 minutes
Fungicidal Activity:		
Candida albicans	10231	10 minutes
Trichophyton mentagrophytes (Athletes Foot Fungus) (a cause of ringworm) (a cause of ringworm of the foot)	9533	10 minutes
Mildewstat Activity:		
Aspergillus niger	6275	10 minutes

PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER

KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

(for containers 5 gallons or greater)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

(For industrial, institutional, health uses)

PESTICIDE STORAGE – Store in original container in a cool (temperature no lower than 50°F or higher than 120°F), dry and locked storage area inaccessible to children.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. After rinsing container, offer empty metal drums or plastic containers for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Note to reviewer: The following one-way opening container qualifier is optional language and not required on the in-commerce label.

(For containers 2 gallons or less with one-way opening that doesn't allow containers to be rinsed:) Replace cap and discard in trash. Offer for recycling if available.

(For containers 5 gallons or less with one-way opening that doesn't allow containers to be rinsed:) Replace cap and discard in trash. Offer for recycling.

For packets with (XX) ounces of pesticide: Do not reuse; discard empty packet by putting it in trash. Offer for recycling if available.

RINSING INSTRUCTIONS

(For containers 5 gallons or less)

Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For containers greater than 5 gallons)

Triple rinse container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container on its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(For household/residential products only)

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE – Store in original container in a cool (temperature no lower than 50°F or higher than 120°F), dry and locked storage area inaccessible to children.

PESTICIDE DISPOSAL AND CONTAINER DISPOSAL – Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Note to reviewer: *The following one-way opening container qualifier is optional language and not required on the in-commerce label.*

(For containers 2 gallons or less with one-way opening that doesn't allow containers to be rinsed:) Replace cap and discard in trash. Offer for recycling if available.

(For containers 5 gallons or less with one-way opening that doesn't allow containers to be rinsed:) Replace cap and discard in trash. Offer for recycling.

PACKET DISPOSAL – Do not reuse; discard empty packet by putting it in trash. Offer for recycling if available.

DIRECTIONS FOR USE

Note: product packaged in packet form must include Packet Directions for Use in addition to disinfection, virucidal, fungicide, cleaning, and/or site/application-specific directions for use.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

GENERAL CLEANING – Apply (this product or product name) to soiled area with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer. (This product or product name) can be diluted at 2 ounces per gallon (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) or applied at full strength. Thoroughly wet soiled surface and scrub as necessary.

LIGHT DUTY CLEANING – Dilute (this product or product name) at 0.5 ounce per gallon of water (or equivalent dilution). Apply the use solution to the soiled area with a mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer. Thoroughly wet soiled surface and scrub as necessary.

DEODORIZATION - To deodorize, apply (this product or product name) as indicated under the heading DISINFECTION.

DISINFECTION - To disinfect inanimate, hard non-porous surfaces add 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. For sprayer applications, spray 6-8 inches from surface, rub with brush, sponge or cloth. Do not breathe spray mist. For heavily soiled areas, a pre-cleaning step is required.

***VIRUCIDAL ACTIVITY** – (This product or product name) when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A₂/Hong Kong, Vaccinia, Rotavirus, Human Coronavirus (ATCC VR-740, Strain 229E), SARS Associated Coronavirus, Rabies Virus, Paramyxovirus (Mumps), Bovine Viral Diarrhea Virus (BVDV), Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, Canine Distemper Virus, Avian Influenza A Virus, and Porcine Respiratory & Reproductive Syndrome Virus (PRRSV). Add 2 ounces of the product (product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid.

(Required if making an HIV-1, HBV, and/or HCV claim on product label)

KILLS HIV-1, HIV-2, HBV, and HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HIV-2, HBV, and HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: When handling items soiled with blood or body fluids, use disposable latex gloves, gowns, masks, and eye coverings.

CLEANING PROCEDURES: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of (this product or product name).

CONTACT TIME: Allow surface to remain wet for 10 minutes.

DISPOSAL OF INFECTIOUS MATERIALS: Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

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FUNGICIDAL ACTIVITY - At the 2 ounce per gallon (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) dilution, (this product or product name) is fungicidal against the pathogenic fungi, Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ringworm) (a cause of ringworm of the foot) and Candida albicans. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

MILDEWSTAT - To control mold and mildew (*Aspergillus niger*) and the odors they cause on pre-cleaned, hard, non-porous inanimate surfaces add 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Apply solution with a cloth, mop, sponge or hand pump trigger sprayer making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

TO CLEAN (REMOVE) MOLD STAINS and MILDEW STAINS – This product (product name) can be used at full strength or at a use dilution of 2 ozs. per gallon of water (or equivalent dilution). Apply full strength or diluted solution to surface to be cleaned with a cloth, mop, sponge or hand pump trigger sprayer. Thoroughly wet soiled surface completely and scrub as necessary.

BACTERICIDAL ACTIVITY - At the 2 ounce per gallon (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) dilution (this product or product name) demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD-10, *Salmonella (choleraesuis) enterica*, (and) *Staphylococcus aureus* (insert organism from Bactericidal Activity section of table on pg 6-7).

BACTERICIDAL STABILITY OF USE-SOLUTION: Tests confirm that (this product or product name) when diluted in hard water up to 400 ppm (as CaCO₃) (via use of automatic dispensing system) remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella (choleraesuis) enterica* for (up to 7 days) (up to one week) (up to 14 days) (up to 2 weeks) (up to 21 days) (up to 3 weeks) (up to 30 days) (up to 4 weeks) (up to 1 month) when stored in a sealed container such as a spray bottle at room temperature. If (the product or product name) becomes visibly dirty or contaminated, the use-solution must be discarded and fresh use-solution prepared. Always use clean, properly labeled containers when diluting (this product or product name). Bactericidal stability of the use-solution does not apply to open containers such as buckets or pails.

(or)

Prepare a fresh use-solution daily or more often if the use-solution becomes visibly (dirty), (contaminated) or diluted.

(or)

Prepare a fresh solution for each use.

PACKETS (for pre-measured tear open packets) – (Simply) (tear) open and pour contents of (1/2, 1, 2, 4) oz packet into (quart, ½ gallon, 1 gallon, 2 gallons) of water. Keep packets in box until ready to use.

or

Pour contents of (1/2, 1, 2 or 4) oz packet into (quart, ½ gallon, 1 gallon or 2 gallons) of water. Keep packets in box until ready to use.

Supplemental Labeling

The following language is required for products supplied with supplemental labeling: inserts, hang tags and reference sheets.

The following language is required to appear on inserts, hangtags and reference sheets:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Labeling must be in the possession of the user at the time of using the product. See container label for FIRST AID and PRECAUTIONARY STATEMENTS and complete DIRECTIONS for USE before applying. Use of this product is subject to the precautions and limitations imposed by the label affixed to the container for this product.

The following language is required to appear on the container label:

See (insert) (hangtag) (reference sheet) for (complete) (additional) information.

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SITE AND APPLICATION SPECIFIC DIRECTIONS FOR USE

To disinfect toilet bowls - Remove gross filth or soils from surfaces with bowl brush. Add 2 ounces of (this product or product name) to the bowl water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Brush or swab the bowl completely using a scrub brush or toilet mop making sure to get under the rim. Let stand for 10 minutes and flush.

Non-Acid Toilet Bowl Disinfection/Cleaner Directions: Remove gross filth prior to disinfection.

From concentrate: Add 2 ounces per gallon (16 milliliters per liter) to the toilet bowl (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) and mix. Brush thoroughly over exposed surfaces and under the rim, allow to stand for 10 minutes and flush.

From use-solution: Empty toilet bowl or urinal and apply 2 ounces per gallon (16 milliliters per liter) (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

For heavy duty use: Empty toilet bowl or urinal and apply 8 ounces per gallon (64 milliliters per liter) (or equivalent dilution) (four ½ oz packets per quart of water) (four 1 oz packets per ½ gallon of water) (four 2 oz. packets per gallon of water) (two 4 oz. packets per gallon of water) use-solution to exposed surfaces, brush or swab thoroughly under the rim with a cloth, mop, sponge or sprayer, allow to stand for 10 minutes and flush.

To disinfect food processing premises: Before using (this product or product name), food products and packaging materials must be removed from the area or carefully protected. For floors, walls, and storage areas, add 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a mop, cloth, sponge, hand pump trigger sprayer or low pressure coarse sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. After use, all surfaces in the area must be thoroughly rinsed with potable water.

To disinfect restaurant (food service establishment) food contact surfaces: countertops, appliances, and tables, add 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid and rinse the surface with potable water. (This product or product name) cannot be used to clean the following food contact surfaces: utensils, glassware and dishes.

POULTRY (AND SWINE) PREMISE DISINFECTION

Site Preparation: The first step in any on-going disinfection program must be the removal of gross contamination and debris. This is accomplished by using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, thoroughly clean all surfaces with soap or detergent and rinse with water.

Cleaning And Disinfection: For all general cleaning and disinfection use 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Apply (this product or product name) using a cloth, mop, or low pressure coarse sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution after each use.

APPLICATIONS AND USE DILUTION

Poultry (And Swine) Premise: Remove all animals and feeds from premises, trucks, cars, coops and crates. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Use 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Saturate surfaces with the disinfecting solution for a period of 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders,

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fountains and waterers with soap or detergent, and rinse with potable water before reuse. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.

Hatcheries: Use 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) to treat the following hard non-porous surfaces: hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more. Rinse with potable water before reuse. Then allow to air dry.

Vehicles: Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and (this product or product name). Use 2 ounces per gallon (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) to treat all vehicles. Leave all treated surfaces exposed to disinfectant solution wet for 10 minutes or more.

Dressing Plant Use: Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Disinfect offal rooms, exterior walls and loading platforms of dressing plants. Cover or remove all food and packaging materials. Remove all gross soils. Saturate all surfaces with the use-solution, 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). Scrub to loosen all soils. Allow to soak for 10 minutes and thoroughly rinse all wetted and cleaned surfaces with potable water.

Veterinary Practice/Animal Care/Animal Laboratory/Zoos/Pet Shop/Kennels Disinfection Directions: For cleaning and disinfecting the following hard non-porous surfaces: equipment not used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Farm Premise Use: Do not use in milking stalls, milking parlors or milk houses. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate all surfaces with a use-solution of 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) for a period of 10 minutes. Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels and scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

Ultrasonic Bath Disinfectant Directions: Use (this product or product name) to disinfect hard non-porous non-critical objects compatible with Ultrasonic cleaning units. Pour fresh solution at 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one (1) 4 oz. packet per 2 gallons of water) directly into bath chamber. Pre-clean heavily soiled objects. Place objects into unit and operate for a minimum of 10 minutes, according to the manufacturers directions. Remove objects and wash with sterile water (sterile water for injection) or allow to air dry. Prepare fresh solution for each use.

Disinfection of Hard Non-Porous Surfaces in Whirlpool Units: After using the whirlpool unit, drain and refill with fresh water to just cover the intake valve. Add 2 ounces of (this product or product name) for each gallon (or equivalent dilution) (one ½ oz packet per quart) (one 1 oz packet per ½ gallon) (one 2 oz. packet per gallon) (one 4 oz. packet per 2 gallons) of fresh water added. Start the pump to circulate the solution. Wash down the unit sides, seat of the chair, lift and any/all related equipment with a clean swab, brush or sponge. Treated surfaces must remain wet for 10 minutes. After the unit has been thoroughly cleaned, drain the solution from the unit and rinse any/all cleaned surfaces with fresh water. Repeat for heavy soiled units.

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Commercial Florist Use Directions: To clean, disinfect and deodorize hard non-porous surfaces in one step, prepare use-solution by adding (mixing) 2 ounces per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water). For heavy-duty use, add (mix) 8 ounces per gallon of water (or equivalent dilution) (four (4) ½ oz packet per quart of water) (four 1 oz packet per ½ gallon of water) (four 2 oz. packet per gallon of water) (two 4 oz. packet per 2 gallons of water).

Remove all leaves, petals, garbage and refuse. Pre-clean surfaces using pressurized water where possible. Apply use-solution to hard (inanimate) non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, brush, sponge or sprayer.

For heavily soiled areas, a preliminary cleaning is required.

For sprayer applications, use a coarse mist pump or trigger sprayer. Spray 6-8 inches from surface; rub with brush, sponge or cloth. Do not breathe spray mist.

Treated surfaces must remain wet for 10 minutes. Allow to air dry.

Prepare a fresh solution at least daily or sooner if use-solution becomes visibly dirty.

Disinfection of Barber/Salon Tools Directions: Immerse pre-cleaned barber/salon tools (combs, brushes, razors, manicure/pedicure tools, clippers, scissors, trimmer blades) in a use-solution (or equivalent dilution) of 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) for at least 10 minutes. Rinse instruments thoroughly and dry before reuse. A fresh use-solution must be prepared daily or more often if the use-solution becomes (visibly dirty) (contaminated) (cloudy). **NOTE:** Plastics may remain immersed until ready to use. Stainless steel shears and instruments must be removed from the use-solution after 10 minutes, rinsed, dried and kept in a clean, non-contaminated receptacle. Prolonged immersion may cause damage to stainless steel or metal instruments.

To Control Mold and Mildew on Large, Inflatable, Non-Porous Plastic and Rubber Structures (animals, promotional items, moonwalk, slides, obstacle course play equipment, exercise equipment, and wrestling mats): Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 8 ounces of this product (product name) per 4 gallons of water (2 ounces per gallon of water) (850 ppm active quaternary) (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) (two 4 oz. packets per 4 gallons of water) for a period of 10 minutes. Ventilate buildings and other closed spaces. Do not use equipment until treatment has been absorbed, set or dried.

(Not for Use in California)

ALL SURFACES MUST BE CLEANED AND DISINFECTED IN ACCORDANCE WITH LABEL DIRECTIONS PRIOR TO FOGGING

Directions for Hatchery Rooms Using Fogging Devices: Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of the room to be treated. Empty all troughs, racks and other feeding and watering appliances. Close room off so fog is confined to room to be treated. Wear a dust mist respirator when mixing the use-solution and pouring it into the fogging apparatus. Mix 2 parts of (this product or product name) to 2.5 parts water (2 gallons of (this product or product name) to 2½ gallons water). Insert the nozzle of the fogger through a suitable opening into the room. With the setting in maximum output, fog for one minute for each 4000 cubic feet of space in the room. When fogging is completed, ventilate buildings and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed or dried. Thoroughly clean all surfaces with soap or detergent and rinse with water.

Directions for Incubators and Hatchers using Fogging Devices: Wear a dust mist respirator when mixing the use-solution and pouring it into the fogging apparatus. Mix 24 ounces of (this product or product name) to 122 ounces of water. Fog 3-8 ounces of this into setters and hatchers immediately after transfer. Repeat daily in setters and every 12 hours in hatchers. Discontinue hatcher treatments at least 24 hours prior to pulling the hatch. Do not allow people to contact or breathe this fog and do not enter until the fog has settled (30-60 minutes after fogging is completed). It is acceptable to fog setters and hatchers with a 2 ounce per gallon solution of (this product or product name) on an hourly or every other hour basis. If this is done, fog for 30-90 seconds once per hour or once every two hours.

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Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Under no circumstances should a room or building be entered by anyone within two hours of the actual fogging and a minimum of 4 air exchanges (ACH) per hour in the facility. If the building must be entered, then the individuals entering the building must wear a self-contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

(Not for use in California)

WATER AND SMOKE DAMAGE RESTORATION AGAINST ODOR-CAUSING BACTERIA AND FUNGI FOR INSTITUTIONAL, INDUSTRIAL AND HOSPITAL USE

(This product or product name) is particularly suitable for use in water damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim, and frame lumber, tackless strip and paneling. Mix 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one (1) ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one (1) 2 oz. packet per gallon of water) (one (1) 4 oz. packet per 2 gallons of water), saturate affected materials with enough use-solution to remain wet for at least 10 minutes. Use proper ventilation.

Sewer backup & river flooding: During mitigation procedures, dilute 2 to 4 ounces of (this product or product name) per gallon of water (or equivalent dilution) allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil along with non-salvageable materials. Saturate all affected areas with a sprayer using a coarse spray tip, before and after cleaning and extraction.

Carpets, carpet cushions and other porous materials such as sub floors, drywall, trim and frame lumber, tackless strip and paneling: For water damage from a clean water source, extract excess water. Test hidden area for colorfastness. Mix 2 to 4 ounces of (this product or product name) per gallon of water (or equivalent dilution), allowing for the diluting effect of absorbed water within saturated materials. Remove gross filth or heavy soil. Apply directly with a sprayer using a coarse spray tip, to fully saturate affected materials. Roll, brush or agitate into materials and allow the materials to remain damp for 10 minutes. Follow with a thorough extraction. Dry rapidly and thoroughly.

Special Instructions for Cleaning Carpet Against Odor Causing Bacteria: (This product or product name) may be used in industrial and institutional areas: motels and hotels, nursing homes, schools and hospitals. For use on wet cleanable synthetic fibers, do not use on wool. Vacuum carpet thoroughly prior to cleaning. Test fabric for colorfastness.

For portable extraction units: Mix 2 ounces of (this product or product name) per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water).

For truck mounted extraction machines: Mix 48 ounces of (this product or product name) per gallon of water (or equivalent dilution) and meter at 4 gallons per hour.

For rotary floor machines: Mix 4 ounces of (this product or product name) per gallon of water (or equivalent dilution) and apply at the rate of 300-500 sq. ft. per gallon.

Do not mix (this product or product name) with other cleaning products. Follow the cleaning procedures as specified by the manufacturer of the cleaning equipment. After using this product, set the carpet pile and protect the carpet from furniture legs and bases while drying. Do not over wet. If applied to stain resistant nylon carpet, apply a fabric protector according to the carpet manufacturer's directions.

Carpet Deodorizer against Odor-Causing Bacteria for Institutional, Industrial and Hospital Use: (This product or product name) deodorizes the carpet by controlling/reducing the growth of odor-causing bacteria. It can be used in industrial and institutional areas: motels, hotels chains, nursing homes and hospitals.

Vacuum carpet thoroughly prior to application. Mix 2 ounces of (this product or product name) per gallon of water. Follow the Injection and/or Extraction procedures as specified for any conventional steam cleaning equipment you are using. For rotary floor machines, mix 4 ounces per gallon of water (or equivalent dilution) and spray on carpet at a rate of 300-500 sq. ft. per gallon.

For use on washable synthetic fibers. Do not use on wool. Test colorfastness of carpet before use. Apply diluted product to a small concealed spot, then rub with a clean white cloth. If color changes or transfers to cloth, a water-based product should not be used.

After using the product, set carpet pile in one direction with a stiff brush. Place aluminum foil under the legs of furniture while carpet is drying. Over-wetting can cause carpet to shrink. Manufacturer assumes no responsibility for over-wetting misuse.

Note: This product must not be mixed with other cleaning products.

Bracketed information is denoted as: {insert as noted }, (optional text), [required qualifier].
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Appropriate metric or imperial unit may be added as optional, supplemental information.

Smoke Damage Restoration: (This product or product name) is effective against odor causing bacteria and fungi in institutional, industrial and medical premises. (This product or product name) is particularly suitable for use in smoke damage restoration situations against odor causing bacteria on the following porous and semi-porous materials: carpets, carpet cushion, sub floors, drywall, trim and frame lumber, tackless strip and paneling. Follow directions as outlined in the Water Damage Restoration section. Using solutions, saturate affected materials with enough product to remain wet for at least 10 minutes. Use proper ventilation.

(Not for Use in California)

MUSHROOM FARM SANITATION – This product disinfects, cleans, and deodorizes in one step. For use in mushroom farm sanitation. Apply to surfaces which do not come in contact with the crop, compost or casing. Remove gross filth and heavy soil deposits using a shovel, broom or vacuum depending on the area to be disinfected. For heavily soiled areas, a pre-cleaning step is required. Apply this product at 2 ounces per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) dilution (1:64), thoroughly wetting the surfaces with a mop, sponge, cloth, spraying or soaking. Treated surfaces must remain wet for 10 minutes and let air dry. The use-solution is prepared fresh for each use, then discarded. If greater detergency is required, dilute this product at 4 to 8 ounces per gallon of water. **DO NOT APPLY TO MUSHROOM CROP, COMPOST OR CASING.**

FOR FOOT DIP OF WATERPROOF FOOTWEAR – Use this product at 2 ounces per gallon of water (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water) in foot dip tray. Shoe baths must contain at least 1 inch of freshly made solution and should be placed at the entrances to buildings. Scrape shoes and place in diluted solution for 60 seconds before entering building. Change solution in bath daily or sooner if solution appears dirty.

BACTERICIDAL ACTIVITY – When diluted at 2 ounces per gallon (or equivalent dilution) (one ½ oz packet per quart of water) (one 1 oz packet per ½ gallon of water) (one 2 oz. packet per gallon of water) (one 4 oz. packet per 2 gallons of water), this product demonstrates effective disinfectant activity against the following **mushroom** pathogens: *Pseudomonas tolaasii* (Blotch Disease) and *Pseudomonas* sp.

(Not for use in California)

Citrus Canker Control: For prevention of Citrus Canker Disease through treatment of equipment. Effective against *Xanthomonas axonopodis* pv. *citri* (Citrus Canker) at 2000 ppm active quat. Treat all trucks, vehicles, and equipment thoroughly at a dilution ratio of 1:27 (2000 ppm active quat). Treatment can be applied to trucks, attached trailers, field harvesting equipment; including cargo area, wheels, tires, under carriage, hood, roof, fenders and any other part of transportation equipment that can be taken into infested areas. To prevent the spread of Citrus Canker by this artificial means of transportation, treatments are made by trigger spraying, dipping or brushing, using maximum rate 2000 ppm quat. After use, all surfaces which come in contact with food or crop must be rinsed with potable water.

DILUTION SYSTEM SPECIFIC DIRECTIONS FOR USE

Automated Dilution System (Dilution System Trade Name) Instructions: Remove cap/spray nozzle from empty container. Fill empty container with a newly prepared use-solution. Replace cap/spray nozzle. Place correct use-dilution label on newly filled container.

(Note to Reviewer- the following items are optional for use on labels of products packaged in an integrated dispensing system.)

(Name of Integrated Dispensing System) (Control Knob Key)



(Note to Reviewer: For the containers utilizing an integrated dispensing system, the directions below will be added to the regular directions for use.)

(Name of integrated dispensing system) (Dispensing System):

Attach to source of potable water with quick connect attachment.



Rotate control knob to **1:64** for low flow rate applications such as filling a trigger spray bottle.



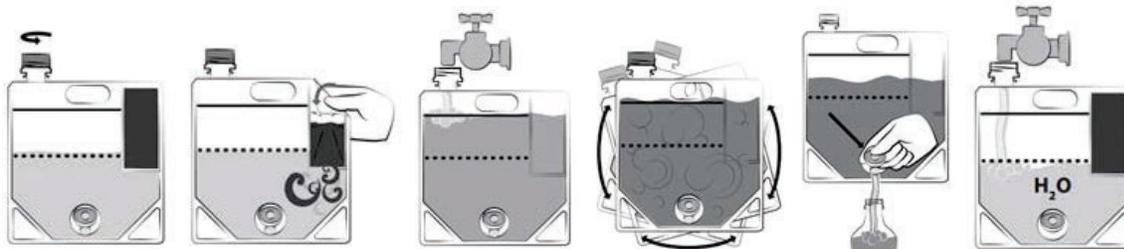
Rotate control knob to **1:64** for high flow rate applications such as filling a mop bucket.

Squeeze handle to dispense a 2 oz. per gallon of water (1:64) use solution of product.

(Note to Reviewer: the following icons and associated use directions are optional for use with product marketed with the Smart Mix Pro™ dispensing system

1. Fill Smart Mix Pro pouch with cold water to the fill line arrow below the cap.
2. Fold and Squeeze the chemical concentrate to burst inner pouch.
3. Shake the bag to mix chemical fully.
4. Use the push button to fill the bottle.

Once water and concentrate are mixed, 1 gallon (3.8 Liters) of ready to use (disinfecting/cleaning) (disinfecting) solution.



PACKET LABEL

(1/2, 1, 2, 4) OUNCE PACKET LABEL TO BE USED WITH MASTER CONTAINER LABEL:

MIX EACH ½ oz. PACKET WITH ONE QUART OF WATER
MIX EACH 1 oz. PACKET WITH ONE ½ GALLON OF WATER
MIX EACH 2 oz. PACKET WITH ONE GALLON OF WATER
MIX EACH 4 oz. PACKET WITH TWO GALLONS OF WATER

BTC® 885 NEUTRAL DISINFECTANT CLEANER-64 / Product Brand Name

E.P.A. Reg. No. 1839-169
E.P.A. Est. No. 1839-IL-1 (xxx-xx-xxx)

NET CONTENTS: (1/2, 1, 2 or 4) FLUID OZ.

ACTIVE INGREDIENTS:

Octyl Decyl Dimethyl Ammonium Chloride	1.627%
Didecyl Dimethyl Ammonium Chloride	0.814%
Dioctyl Dimethyl Ammonium Chloride	0.814%
Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride.....	2.170%
(INERT)(OTHER) INGREDIENTS	<u>94.575%</u>
TOTAL	100.000%

**KEEP OUT OF REACH OF CHILDREN
DANGER**

SEE OUTER CONTAINER FOR PRECAUTIONARY STATEMENTS AND USE DIRECTIONS

DISPOSAL: Do not reuse container. Wrap and put in trash collection.

STEPAN COMPANY
22 W. Frontage Rd.
Northfield, IL 60093

SECONDARY / SERVICE CONTAINER LABELING

(Note to Reviewer: The following is to be used as a label for a separate, secondary container for use/storage of a 1:64 use solution (or equivalent dilution). Not for use with alternate dilutions)

When this product is diluted in accordance with the directions on this label, the dilution container must bear the following statements:

BTC® 885 NEUTRAL DISINFECTANT CLEANER-64

/ Product Brand Name

E.P.A. Reg. No. 1839-169
E.P.A. Est. No. 1839-IL-1 (xxx-xx-xxx)

ACTIVE INGREDIENTS

Octyl decyl dimethyl ammonium chloride	1.627%
Diocetyl dimethyl ammonium chloride	0.814%
Didecyl dimethyl ammonium chloride	0.814%
Alkyl (50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride.....	2.170%
(INERT) (OTHER) INGREDIENTS	94.575%
Total	100.000%

The product in this container is diluted as directed on the pesticide product label. Follow the directions for use on the pesticide label when applying this product. Further sale or distribution of this product is strictly prohibited.

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

STEPAN COMPANY

22 W. Frontage Rd.
Northfield, IL 60093

GRAPHICS

(Note to Reviewer: Each optional icon below represents a graphic depiction of an area of use. These are examples of equivalent graphics that can be used to represent individual objects or outside or insides of buildings. No people, animals or food will be depicted in the graphics.)



Emerging Viral Pathogen Claims

This product qualifies for emerging viral pathogen claims per the EPA’s ‘Guidance to Registrants: Process for Making Claims Against Emerging Viral Pathogens not on EPA Registered Disinfectant Labels’ when used in accordance with the appropriate use directions indicated below.

This product meets the criteria to make claims against certain emerging viral pathogens from the following viral category:

- Enveloped viruses

<i>For an emerging viral pathogen that is a/an...</i>	...follow the directions for use for the following organisms on the label:
Enveloped virus	Rotavirus

BTC 885 NEUTRAL DISINFECTANT CLEANER-64) [Product name] has demonstrated effectiveness against viruses similar to [name of emerging enveloped virus] on hard, non-porous surfaces. Therefore, (BTC 885 NEUTRAL DISINFECTANT CLEANER-64) [product name] can be used against [name of emerging enveloped virus] when used in accordance with the directions for use against [Rotavirus] on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [pathogen-specific website address] for additional information.

[Name of illness/outbreak] is caused by [name of emerging enveloped virus]. (BTC 885 NEUTRAL DISINFECTANT CLEANER-64) [Product name] kills similar viruses and therefore can be used against [name of emerging enveloped virus] when used in accordance with the directions for use against [Rotavirus] on hard, non-porous surfaces. Refer to the [CDC or OIE] website at [website address] for additional information.”

.....

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